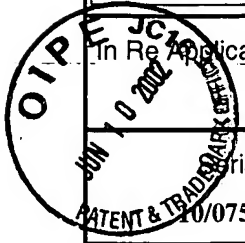


1645
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82

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.
A0000428-01-CFP



In Re Application Of: **WILLIAM GLEN HARTER, ET AL**

Serial No.
10/075,073 ✓

Filing Date
February 13, 2002 ✓

Examiner
Unknown

Group Art Unit
1645

Title: **FUSED PYRIMIDINONE MATRIX METALLOPROTEINASE INHIBITORS** ✓

Address to:
Assistant Commissioner for Patents
Washington, D.C. 20231

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37 CFR 1.97(b)

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

37 CFR 1.97(c)

2. ☐ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:

☐ the statement specified in 37 CFR 1.97(e);

OR

☐ the fee set forth in 37 CFR 1.17(p).

No References Recvd.

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.
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In Re Application: **WILLIAM GLEN HARTER, ET AL**

Serial No.

10/075,073

Filing Date

February 13, 2002

Unknown

Group Art Unit

1645

FUSED PYRIMIDINONE MATRIX METALLOPROTEINASE INHIBITORS

Payment of Fee

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

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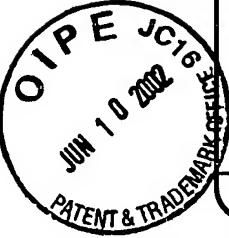
Claude F. Purchase, Jr. ✓
Signature

Dated: May 31, 2002

Claude F. Purchase, Jr.
Registration No. 47,871
Warner-Lambert Company
Patent Department
2800 Plymouth Road
Ann Arbor, MI 48105
Tel. (734) 622-1692
Fax (734) 622-1553

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 6

Complete if Known

Application Number	10/075,073
Filing Date	February 13, 2002
First Named Inventor	William Glen Harter, et al
Group Art Unit	4645 1624
Examiner Name	Unknown
Attorney Docket Number	A0000428-01-CFP

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T6
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
		WO	01/63244 A1		Chen, et al	08/30/2001		
		WO	97/07119		Furuya, et al	02/27/1997		
		WO	98/54116		Castelhano, et al	12/03/1998		
		WO	96/22991		Meyer, et al	08/01/1996		
		WO	95/28405		Furuya, et al	10/26/1995		
		WO	92/20687		Chakravarty, et al	11/26/1992		
		WO	00/61583		Klein, et al	10/19/2000		
		WO	00/04027		Meyer, et al	01/27/2000		
		WO	98/49899		Atherall, et al	11/12/1998		
		EP	0 530 537 B1		Akimoto, et al	01/08/1997		

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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449A/PTO				C m p l t i f K n o w n	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	10/075,073
				Filing Date	February 13, 2002
				First Named Inventor	William Glen Harter, et al
				Group Art Unit	1645
				Examiner Name	Unknown
				Attorney Docket Number	A0000428-01-CFP
Sheet	2	of	6		

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FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
		EP	0 443 568 A1		Morimoto, et al	08/28/1991		
		EP	0 443 568 B1		Morimoto, et al	06/12/1996		
		EP	0 492 316 A1		Akimoto, et al	07/01/1992		
		EP	0 502 725 A2		de Laszlo	09/09/1992		
		EP	0 530 537 A1		Akimoto, et al	03/10/1993		
		EP	0 416 740 A2		Smith, et al	03/13/1991		
		EP	0 297 661 B1		Janssens, et al	09/16/1992		
		EP	0 438 261 A2		Akimoto, et al	07/24/1991		
		EP	0 297 661 A1		Janssens, et al	01/04/1989		
		EP	0 282 133 B1		Janssens, et al	07/28/1993		

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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/075,073
				Filing Date	February 13, 2002
				First Named Inventor	William Glen Harter, et al
				Group Art Unit	1645 1624
				Examiner Name	Unknown
Sheet	3	of	6	Attorney Docket Number	A0000428-01-CFP

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Sheet 4 of 6

Information Known

Application Number	10/075,073
Filing Date	February 13, 2002
First Named Inventor	William Glen Harter, et al
Group Art Unit	1645 1624
Examiner Name	Unknown
Attorney Docket Number	A0000428-01-CFP

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
		MONTANA, John, et al, "The design of selective non-substrate-based matrix metalloproteinase inhibitors", Current Opinion in Drug Discovery & Development, 2000; 3(4), pp 353-361
		CLARK, Ian, et al, "Matrix metalloproteinase inhibitors in the treatment of arthritis", Current Opinions in Anti-inflammatory & Immunomodulatory Investigational Drugs, 2000; 2(1), pp 16-25
		CHEN, James, et al, "Structure-Based Design of a Novel, Potent, and Selective Inhibitor for MMP-13 Utilizing NMR Spectroscopy and Computer-Aided Molecular Design", J. Am. Chem. Soc., 2000, 122; pp 9648-9654
		HIROTA, Kosaku, et al, "Synthesis of 6-Substituted Thieno[2,3-d]pyrimidine-2,4(1H,3H)-diones", J. Heterocycl. Chem., 1990; 27(3); pp 717-721
		RAJAPPA, S., et al, "Synthesis of Thiophenes: Part III* - Further Variations in the Substitution Pattern", Indian J. Chem., Vol. 12, 1974; pp 1-3
		HCAPLUS Abstract 1998: 542760; "Preparation of bicyclic-substituted hexahydrobenz [e] isoindoles as a1 adrenergic antagonists"
		HCAPLUS Abstract 1990: 514925; "Pyrimidines. 65. Synthesis of 6-substituted thieno [2,3-d] pyrimidine-2 4(1H,3H) - diones"
		HCAPLUS Abstract 1974: 463420: "Synthesis of thiophenes. III. Further variations in the substitution pattern"
		Derwent Abstract 2000-687031/67, "New xanthine derivatives are inhibitors of cellular processes mediated by interleukin-12 for treating inflammatory responses e.g. chronic inflammatory disease, chronic intestinal inflammation, arthritis, psoriasis and asthma (Eng)"
		Derwent Abstract 92-415690/50, "New Pyrimidinone derivs. are angiotensin II antagonists - for treating hypertension, congestive heart failure, renal failure, Alzheimer's disease, amnesia schizophrenia etc (Eng)"
		Derwent Abstract 92-302020/37, "New fused pyrimidone derivs. - are angiotensin II antagonists to treat hypertension, congestive heart failure, Alzheimer's disease, amnesia, anxiety, schizophrenia, etc. (Eng)"

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Sheet 5 of 6

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Application Number	10/075,073
Filing Date	February 13, 2002
First Named Inventor	William Glen Harter, et al
Group Art Unit	1645
Examiner Name	Unknown
Attorney Docket Number	A0000428-01-CFP

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
		Derwent Abstract 91-254180/35, "New angiotensin-II antagonising fused thiophene derivatives - used for treating hypertension and circulatory diseases including heart diseases and stroke"
		Derwent Abstract 89-192246/26, "New 3-piperidinyl:alkyl-thieno: or furo pyrimidine-2,4-di:one cpds. - useful as serotonin antagonists and alpha adrenergic blockers"
		Derwent Abstract 2000-195023/17, "New ipiperazinyl pyrimidine dione derivatives used as selective alpha-1D adrenoceptor antagonists for treating benign prostatic hyperplasia, hypertension, detrusor instability and incontinence (Eng)"
		Derwent Abstract 2001-158207/16, "New piperazinyl pyrimidine dione derivatives are selective alpha-1D adrenoceptor antagonists used for treatment of e.g. hypertension"
		Derwent Abstract 96-362624/36, "New bi:cyclic substd. hexa:hydro-benz-isoindole derivs. - are alpha-1 adrenergic antagonists, used in treatment of benign prostatic hyperplasia (Eng)"
		Derwent Abstract 89-008928/02, "New bi:cyclic heterocycle substd. hexa-hydro-1H-azepine - and pyrrolidine cpds., have anti-histaminic properties, for treatment of e.g. allergic rhinitis, allergic asthma, etc."
		Derwent Abstract 88-258874/37, "New 1-alkyl substd. benzimidazole derivs. - having anti-histaminic activity and used for treating allergic diseases such as allergic asthma"
		Derwent Abstract 91-216939/30, "New condensed heterocyclic glutemic acid derivs., - active against enzyme using folic acid and antitumour agents for treating e.g. leukemia"
		Derwent Abstract 99-080786/07, "New thiophene- and pyrrole-based hetero-aromatic compounds - are (ant)agonists of cell surface receptors, useful e.g. for inhibiting unwanted cell growth e.g. due to cancer (Eng.)"
		Derwent Abstract 97-165234/15, "New thieno-pyrimidine derivs. are endothelin antagonists - useful for treating e.g. acute renal failure, cardiac infarction, liver insufficiency, organ hypo-function and vasoconstriction (Eng)"
		Derwent Abstract 96-384384/38, "New 2,4(1H, 3H)-di:oxo-5-(aminoalkyl)thieno(2,3-d)-pyrimidine derivs. - are gonadotropin-releasing hormone antagonistic agents useful in prevention and treatment of sex hormone dependent diseases (Eng)"

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Sheet 6 of 6

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Application Number	10/075,073
Filing Date	February 13, 2002
First Named Inventor	William Glen Harter, et al
Group Art Unit	1645
Examiner Name	Unknown
Attorney Docket Number	A0000428-01-CFP

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Derwent Abstract 95-382760/49, "Fused bicyclics as gonadotropin releasing hormone antagonists - used for treating hormone related cancers, benign prostatic hypertrophy, acne vulgaris, etc. (Eng)"	
		Derwent Abstract 93-299636/38, "New condensed heterocyclic oligo-glutamate derivs. - used as water soluble antitumour agent and have good storage stability in cells"	
		Derwent Abstract 93-078155/10, "New antitumour condensed pyrimidine derivs. - for treating chorlocarcinoma, leukaemia, breast adenocarcinoma, squamous cell carcinoma, lung cancer, lympho sarcoma, etc. and also rheumatism (Eng)"	
		Derwent Abstract 92-218561/27, "Antitumoural condensed heterocyclic oligo:glutamate derivs. - for treating leukaemia, squamous cell carcinoma, lymphatic sarcoma, small cell cancer of the lung etc. (Eng)"	
		Derwent Abstract 96-267825/27, "New hexa:hydro benz(e)isoindole cpds. - are useful in treatment of benign prostatic hyperplasia (Eng)"	
		Derwent Abstract 94-248420/30, "Furano- and thieno- (3,2-c)piperidone carboxamido-acids - are fibrinogen receptor antagonists, inhibit blood platelet aggregation, used in thrombi and emboli treatment:	
		Derwent Abstract 91-075241/11, "Heterocyclic peptide derivs. useful as renin inhibitors - in the treatment of hypertension, congestive heart failure; retro-viral diseases and central nervous system disorders"	
		HCAPLUS Abstract 1996:580284: "Preparation of heterocyclyl-substituted benz[3]isoindoles as x1 adrenergic antagonists"	

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